

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/015753

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01B 7/06, H01L21/304

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01B 7/06, G01N27/90, H01L21/304

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-106805 A (EBARA CORPORATION) 2003.04.09 paragraph [0009] - [0014], [0016] - [0018],	15, 18-22, 27-29
Y	[0022] - [0024], [0031] - [0036], [0038], [0039] Figs 1, 2, 3, 5, 6, 9, 10(b), 12	1-6, 13, 14
A	& US 2002/47705 A1 & US 2004/32256 A & EP 1201365 A2	7-12, 16, 17, 23-26
Y	JP 2001-141529 A (Anton Paar GmbH) 2001.05.25, paragraph [0033], [0039], Fig. 3	1-5
Y	& US 6499336 B1 & GB 2356937 A & DE 10047793 A	
Y	JP 7-294239 A (MITSUBISHI Heavy Industries, LTD) 1995.11.10, paragraph [0033], [0034], Figs 10, 11, (Family none)	6
Y	JP 10-78336 A (Kaman Instrumentation Corporation)	13, 14
A	1998.03.24, paragraph [0029], [0043], [0044], Figs 2, 3 (Family none)	10-12



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

18.01.2005

Date of mailing of the international search report

08.02.2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-256987 A (Central Research Institute of Electric Power Industry) 1999.09.21, paragraph [0084], Fig.9 (Family none)	10-12